



ATTACHMENT A

1. (Previously presented): Polyolefin compositions comprising, in percent by weight based on a total weight of the polyolefin compositions:

- 1) 55-80% of a crystalline propylene homopolymer or copolymer containing up to 15% of at least one of ethylene and C₄-C₁₀ α -olefin(s) and having a MFR value (230 °C, 2.16 kg) of at least 15 g/10 min; and
- 2) 20-45% of a copolymer of ethylene with at least one of C₄-C₁₀ α -olefin(s) containing from 10 to 40% of said C₄-C₁₀ α -olefin(s);

said compositions having MFR (230 °C, 2.16 kg) values of at least 15 g/10 min, a total content of ethylene of 20% or more, a total content of C₄-C₁₀ α -olefin(s) of 4.5% or more, a ratio of the total content of ethylene to the total content of C₄-C₁₀ α -olefin(s) of 2.3 or more, and an intrinsic viscosity value of a fraction soluble in xylene at room temperature of at most 1.7 dl/g.

2. (Previously presented): The polyolefin compositions according to claim 1 comprising, in percent by weight based on a total weight of the polyolefin compositions:

- 1) 55-75% of a crystalline propylene homopolymer or copolymer containing up to 15% of at least one of ethylene and C₄-C₁₀ α -olefin(s) and having a MFR from 15 to 80 g/10 min; and
- 2) 25-45% of a copolymer of ethylene with at least one of C₄-C₁₀ α -olefin(s) containing from 20 to 40% of said C₄-C₁₀ α -olefin(s);

said compositions having MFR (230 °C, 2.16 kg) values at least 15 g/10 min, a total content of ethylene of 20% or more, a total content of C₄-C₁₀ α-olefin(s) of 6% or more, a ratio of the total content of ethylene to the total content of C₄-C₁₀ α-olefin(s) of 2.3 or more, a total fraction soluble in xylene at room temperature of 18 wt% or higher, and an intrinsic viscosity value of the fraction soluble in xylene at room temperature of at most 1.7 dl/g.

3. (Previously presented): The polyolefin compositions of claim 1, having MFR values of at least 30 g/10 min.

4. (Original): The polyolefin compositions of claim 1, wherein the intrinsic viscosity of the fraction soluble in xylene at room temperature is in the range from 0.8 to 1.5 dl/g.

5. (Previously presented): The polyolefin compositions of claim 1, wherein the fraction soluble in xylene at room temperature is higher than 20%.

6. (Previously presented): The polyolefin compositions of claim 1, having a ductile/brittle transition temperature of at most 35 °C.

7. (Previously presented): A process for producing polyolefin compositions, which comprise in percent by weight, based on a total weight of the polyolefin compositions:

- 1) 55-80% of a crystalline propylene homopolymer or copolymer containing up to 15% of at least one of

ethylene and C₄-C₁₀ α-olefin(s) and having a MFR value (230 °C, 2.16 kg) of at least 15 g/10 min; and

- 2) 20-45% of a copolymer of ethylene with at least one of C₄-C₁₀ α-olefin(s) containing from 10 to 40% of said C₄-C₁₀ α-olefin(s);

said compositions having MFR (230 °C, 2.16 kg) values at least 15 g/10 min, a total content of ethylene of 20% or more, a total content of C₄-C₁₀ α-olefin(s) of 4.5% or more, a ratio of the total content of ethylene to the total content of C₄-C₁₀ α-olefin(s) of 2.3 or more, and an intrinsic viscosity value of a fraction soluble in xylene at room temperature of at most 1.7 dl/g, the process being carried out in at least two sequential steps, wherein in at least one polymerization step the relevant monomer(s) are polymerized to form component 1) and in the other step the relevant monomers are polymerized to form component 2), operating in each step, except the first step, in the presence of the polymer formed and the catalyst used in the preceding step.

8. (Previously presented): The process of claim 7, wherein the polymerization catalyst is a stereospecific Ziegler-Natta catalyst comprising, as catalyst-forming components, a solid component comprising a titanium compound having at least one titanium-halogen bond and an electron-donor compound, both supported on a magnesium halide in active form, and an organoaluminum compound.

9. (Previously presented): The process of claim 7, wherein both components 1) and 2) are prepared in gas phase.

10. (Previously presented): Injection moulded articles comprising polyolefin compositions, which comprise in percent by weight, based on a total weight of the polyolefin compositions:

- 1) 55-80% of a crystalline propylene homopolymer or copolymer containing up to 15% at least one of ethylene and C₄-C₁₀ α-olefin(s) and having a MFR value (230 °C, 2.16 kg) of at least 15 g/10 min; and
- 2) 20-45% of a copolymer of ethylene with at least one of C₄-C₁₀ α-olefin(s) containing from 10 to 40% of said C₄-C₁₀ α-olefin(s);

said compositions having MFR (230 °C, 2.16 kg) values at least 15 g/10 min, a total content of ethylene of 20% or more, a total content of C₄-C₁₀ α-olefin(s) of 4.5% or more, a ratio of the total content of ethylene to the total content of C₄-C₁₀ α-olefin(s) of 2.3 or more, and an intrinsic viscosity value of a fraction soluble in xylene at room temperature of at most 1.7 dl/g.

11. (Previously presented): The polyolefin compositions according to claim 2 comprising, in percent by weight based on a total weight of the polyolefin compositions:

- 1) 55-70% of a crystalline propylene homopolymer or copolymer containing up to 15% of at least one of ethylene and C₄-C₁₀ α-olefin(s) and having a MFR value of from 15 to 80 g/10 min; and
- 2) 30-45% of a copolymer of ethylene with at least one of C₄-C₁₀ α-olefin(s) containing from 20 to 40% of said C₄-C₁₀ α-olefin(s);

said compositions having values of MFR (230 °C, 2.16 kg) equal to or higher than 15 g/10 min, a total content of ethylene of 20% or more, a total content of C₄-C₁₀ α-olefin(s) of 6% or more, a ratio of the total content of ethylene to the total content of C₄-C₁₀ α-olefin(s) of 2.3 or more, a total fraction soluble in xylene at room temperature of 18 wt% or higher, and an intrinsic viscosity value of a fraction soluble in xylene at room temperature of at most 1.7 dl/g.